

class 49 takes care before 59 which is before 242 and 74 in the classification hierarchy 49/324 +

June 2004

GROUP III. BODY TREATMENT AND CARE, HEATING AND COOLING, MATERIAL HANDLING AND TREATMENT, MECHANICAL MANUFACTURING, MECHANICAL POWER, STATIC, AND RELATED ARTS I-19

<u>Class</u>	<u>Subject</u>	<u>Class</u>	<u>Subject</u>
505*	SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS	12	. . Boot and Shoe Making
		69	. Leather Manufactures
		112	. Sewing
BODY TREATMENT CARE, ADORNMENT (See also Group I, Class 424, Drug, Bio-Affecting and Body Treating Compositions.)		PLANT AND ANIMAL HUSBANDRY (See also Class 100, Presses, for balers; Class 289, Knots and Knot Tying; Class 460, Crop Threshing or Separating.)	
	433 . Dentistry		
623	. Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	449	. Bee Culture
	128 . Surgery	452	. Butchering
	600 . Surgery	43	. Fishing, Trapping, and Vermin Destroying
	601 . Surgery: Kinesitherapy	47	. Plant Husbandry
602	. Surgery: Splint, Brace, or Bandage	119	. Animal Husbandry
	604 . Surgery	54	. . Harness
	606 . Surgery	168	. . Farriery
607	. Surgery: Light, Thermal, and Electrical Application	231	. . Whips and Whip Apparatus
	132 . Toilet	TEACHING	
	63 . Jewelry	434	. Education and Demonstration
27	. Undertaking	40	. Card, Picture, and Sign Exhibiting
APPAREL AND RELATED ARTS		472	AMUSEMENT DEVICES
	2 . Apparel	463	. Amusement Devices: Games
223	. . Apparel Apparatus	473	. . Games Using Tangible Projectile
450	. . Foundation Garments	273	. . Amusement Devices: Games
36	. Boots, Shoes, and Leggings	446	. Amusement Devices: Toys

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December 2002 Edition
Rev. 3, June 2004

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MATERIAL HANDLING AND TREATMENT, MECHANICAL
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RELATED ARTS

<u>Class</u>	<u>Subject</u>	<u>Class</u>	<u>Subject</u>
124	. Mechanical Guns and Projectors	182	. . Fire Escape, Ladder, or Scaffold
482	. Exercise Devices	220	RECEPTACLES
99*	FOODS AND BEVERAGES: APPARATUS /275-450 (See also Group I, Class 426, for food compositions and processes.)	312	. Supports: Cabinet Structure
HEATING, COOLING (See also Group II, Class 219, for electric heating.)		190	. Trunks and Hand-Carried Luggage
62	. Refrigeration	206	. Special Receptacle or Package
237	. Heating Systems	215	. Bottles and Jars
236	. Automatic Temperature and Humidity Regulation	229	. Envelopes, Wrappers, and Paperboard Boxes
432	. Heating	150	. Purses, Wallets, and Protective Covers
122	. Liquid Heaters and Vaporizers	383	. Flexible Bags
126	. Stoves and Furnaces	217	. Wooden Receptacles
431	. Combustion	248	SUPPORTS
110*	. . Furnaces (Solid or Combined Fuels)	5	. . Beds
165	. Heat Exchange	297	. . Chairs and Seats
BUILDINGS		211	. . Supports: Racks
135	. Tent, Canopy, Umbrella, or Cane	108	. . Horizontally Supported Planar Surfaces
109	. Safes, Bank Protection, or a Related Device	CLOSURES, PARTITIONS, PANEL (Building and receptacle classes for other closures, partitions, and panels)	
52	. Static Structures (e.g., Buildings)	267*	. Spring Devices (Support Type) / 80-112
14	. . Bridges	Note. See also:	
404	. . Road Structure, Process, or Apparatus	(1) 267/2-68 and 140.11-141.7	

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I -21

Class Subject

(2) 267/1.5, 69-140, and 142-182

49 . Movable or Removable Closures

160 . Flexible or Portable Closure, Partition, or
Panel

256 . Fences

TEXTILES

8* . Bleaching and Dyeing; Fluid Treatment
and Chemical Modification of Textiles and
Fibers

/147-159

(See also Group I for processes and compositions.)

289 . Knots and Knot Tying

28 . Textiles: Manufacturing

26 . . Textiles: Cloth Finishing

66 . . Textiles: Knitting

87 . . Textiles: Braiding, Netting, and Lace
Making

139 . . Textiles: Weaving

57 . . Textiles: Spinning, Twisting, and Twining

19 . . Textiles: Fiber Preparation

**EARTH WORKING AND AGRICULTURAL
MACHINERY**

405 . Hydraulic and Earth Engineering

299 . Mining or In Situ Disintegration of Hard
Material

166 . Wells

Class Subject

175 . Boring or Penetrating the Earth

111 . Planting

171 . Unearthing Plants or Buried Objects

37 . Excavating

56 . Harvesters

172 . Earth Working

194 CHECK-ACTUATED CONTROL
MECHANISMS

DISPENSING

(For the distribution of this art, see notes to definitions
of Class 222, Dispensing, and Class 220, Receptacles.)

453 . Coin Handling

141 . Fluent Material Handling, with Receiver or
Receiver Coacting Means

169 . Fire Extinguishers

291 . Track Sanders

239 . Fluid Sprinkling, Spraying, and Diffusing

222 . Dispensing

221 . . Article Dispensing

232 . Deposit and Collection Receptacles

414 MATERIAL OR ARTICLE HANDLING

258 . Railway Mail Delivery

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<u>Class</u>	<u>Subject</u>	<u>Class</u>	<u>Subject</u>
186	. Merchandising	114	. Ships /255-19 and 26-382 (schedule sequence) (See also Group II, Class 114/20.1-25, for ship launched torpedoes.)
406	. Conveyors: Fluid Current	441.	. Buoys, Rafts, and Aquatic Devices
212	. Traversing Hoists	440	. . Marine Propulsion
198	. Conveyors: Power-Driven	191	. Electricity: Transmission to Vehicles
187*	. Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle /200-246, 249-298, 300-315, 318-379, 400-414 (schedule sequence) (See also Group II, Electric Control.)	104	. Railways
193	. Conveyors, Chutes, Skids, Guides, and Ways	246	. . Railway Switches and Signals
224	. Package and Article Carriers	105	. . Railway Rolling Stock
294	. Handling: Hand and Hoist-Line Implements	238	. . Railways: Surface Track
901	. Robots (Note: This is a Cross-Reference Art Collection and does not accept applications.)	280	. Land Vehicles (e.g., chassis and running gear)
137	FLUID HANDLING	298	. . Land Vehicles: Dumping
454	. Ventilation	180	. . Motor Vehicles
4	. Baths, Closets, Sinks, and Spittoons	296	. Land Vehicles: Bodies and Tops (See Class 74, in this group, for machine element or mechanism.)
138	. Pipes and Tubular Conduits	301	. Land Vehicles: Wheels and Axles
251	. Valves and Valve Actuation	295	. . Railway Wheels and Axles
VEHICLES		152	. Resilient Tires and Wheels
244	. Aeronautics /1-13, 15-153A (schedule sequence) (See also Group II, Class 244/14, for aerial torpedoes.)	305	. Wheel Substitutes for Land Vehicles
		213	. Railway Draft Appliances
		278	. . Land Vehicles: Animal Draft Appliances

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293	. Vehicle Fenders	184	. Lubrication
267*	. Spring Devices /2-68, 140.11-141.7 (schedule sequence)	101	. Printing
	Note. See also: (1) 267/80-112 (2) 267/1.5, 69-140 and 142-182	400	. . Typewriting Machines
410	FREIGHT ACCOMMODATION ON FREIGHT CARRIER	199	. . Type Casting
		276	. . Typesetting
		401	. Coating Implements With Material Supply
		281	. Books, Strips, and Leaves
		462	. Books, Strips, and Leaves for Manifolded
		283	. Printed Matter
		MANUFACTURING, ASSEMBLING, INCLUDING SOME CORRELATIVE MISCELLANEOUS PRODUCTS	
60	. Power Plants /200.1-204, 221-721 (schedule sequence) (See also Group II for chemical reaction motors, subclasses 205-220.)	164	. Metal Founding
123	. Internal-Combustion Engines	266	. Metallurgical Apparatus
417	. Pumps	29*	. Metal Working (General Manufacturing) /1.1-25.42, 81.01-91.8, 560, 560.1, 284
91	. Motors: Expansible Chamber Type		Note. See also:
415	. Rotary Kinetic Fluid Motors or Pumps		(1) 29/592-559
416	. Fluid Reaction Surfaces (i.e., Impellers)		(2) 29/700-824
185	. Motors: Spring, Weight, or Animal Powered		(3) 29/650
418	. Rotary Expansible Chamber Devices		(4) 29/76.1-77, 33R-33T
92	. Expansible Chamber Devices		(5) 29/213.1-283 (schedule sequence)
		412	. Bookbinding: Process and Apparatus
		53	. Package Making
COATING, PRINTING, AND PRINTED MATERIAL; STATIONERY, BOOKS			
118	. Coating Apparatus (See also Group I, Class 427, Coating Processes.)		

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<u>Class</u>	<u>Subject</u>	<u>Class</u>	<u>Subject</u>
59	. Chain, Staple, and Horseshoe Making	29*	. Metal Working (Assembling Apparatus) /700-824
76	. Metal Tools and Implements, Making		Note. See also:
79	. Button Making		(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284
493	. Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web		(2) 29/592-559
131	. Tobacco		(3) 29/650
147	. Coopering		(4) 29/76.1-77, 33R-33T
			(5) 29/213.1-283
157	. Wheelwright Machines	29*	. Metal Working (Plural Diverse /650 Manufacturing Apparatus)
163	. Needle and Pin Making		Note. See also:
227	. Elongated-Member-Driving Apparatus		(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284
270	. Sheet-Material Associating		(2) 29/592-559
300	. Brush, Broom, and Mop Making		(3) 29/700-824
445	. Electric Lamp or Space Discharge Component or Device Manufacturing		(4) 29/76.1-77, 33R-33T
			(5) 29/213.1-283
29*	. Metal Working (Methods) /592-559	CUTTING, COMMUNUTING, AND MACHINING	
	Note. See also:	483	. Tool Changing
	(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284	234	. Selective Cutting (e.g., Punching)
	(2) 29/700-824	460	. Crop Threshing or Separating
	(3) 29/650	241	. Solid Material Comminution or Disintegration
	(4) 29/76.1-77, 33R-33T	470	. Threaded, Headed Fastener, or Washer Making: Process and Apparatus
	(5) 29/213.1-283		
	(schedule sequence)		

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29*	. Metal Working (Miscellaneous Machining) /76.1-77, 33R-33T Note. See also: (1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284 (2) 29/592-559 (3) 29/700-824 (4) 29/650 (5) 29/213.1-283 (schedule sequence)	425	. Plastic Article or Earthenware Shaping or Treating: Apparatus (See also Group I, Class 264, Plastic and Nonmetallic Article Shaping or Treating: Processes.) 100 . Presses 413 . Sheet Metal Container Making 140 . Wireworking 228 . Metal Fusion Bonding 249 . Static Molds
407	. Cutters, for Shaping 30 . Cutlery 451 . Abrading		MISCELLANEOUS TREATING (See Group I for chemical treatment and physical separation.) 494 . Imperforate Bowl: Centrifugal Separators 209 . Classifying, Separating, and Assorting Solids 366 . Agitating
408	. Cutting by Use of Rotating Axially Moving Tool 82 . Turning 83 . Cutting		134* . Cleaning and Liquid Contact With Solids /43-201 (See also Group I for cleaning processes.) 34 . . Drying and Gas or Vapor Contact With Solids
409	. Gear Cutting, Milling, or Planing 125 . Stone Working 144 . Woodworking 142 . . Wood Turning		68 . Textiles: Fluid Treating Apparatus 38 . Textiles: Ironing or Smoothing 15 . Brushing, Scrubbing, and General Cleaning
225	. Severing by Tearing or Breaking 72 . Metal Deforming		HANDLING OR STORING SHEETS, WEBS, STRANDS, AND CABLE 402 . Binder Device Releasably Engaging Aperture or Notch of Sheet

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226	. Advancing Material of Indeterminate Length	/1-134.7, 418-427	
		269	. Work Holders
242	. Winding, Tensioning, or Guiding		
		303	. Fluid-Pressure and Analogous Brake Systems
254*	. Implements or Apparatus for Applying Pushing or Pulling Force (Cable Hauling or Strand Placing)	16*	MISCELLANEOUS HARDWARE
/199-417		/2.1-220, 400-404	
		(See also 16/221-392)	
271	. Sheet Feeding or Delivering	70	. Locks
74	MACHINE ELEMENT OR MECHANISM	267*	. Spring Devices
		/1.5, 69-140, 142-182	
475	. Planetary Gear Transmission Systems or Components	Note. See also:	
		(1) 267/80-112	
474	Endless Belt Power Transmission Systems or Components	(2) 267/2-68, 140.11, 141.7	
		TOOLS	
476	. Friction Gear Transmission Systems or Components	7	. Compound Tools
477	. Interrelated Power Delivery Controls, Including Engine Control	29*	. Metal Working (Assembling Devices)
		/213.1-283	
492	. Roll or Roller		
464	. Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	Note. See also:	
		(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284	
384	. Bearings	(2) 29/592-559	
173	. Tool Driving or Impacting	(3) 29/650	
		(4) 29/700-824	
188	. Brakes	(5) 29/76.1-77, 33R-33T	
192	. Clutches and Power-Stop Control	81	. Tools
254*	. Implements or Apparatus for Applying Pushing or Pulling Force (Force Multipliers)	403	JOINTS AND CONNECTIONS
		439	. Electrical Connectors

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